

### REMARKS/ARGUMENTS

The Office Action mailed December 14, 2007 has been received and the Examiner's comments carefully reviewed. Claims 12-19 and 44-55 are rejected. Claims 12, 44 and 50 have been amended. For at least the following reasons, Applicants respectfully submit that the pending claims are in condition for allowance.

#### Claim Rejections

Claims 12-19, 44-55 were rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The Office Actions states "As to claims 12, 44, 50, the claims recite a 'wireless local input interface'. However, the claimed 'wireless' feature is never described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention." (Office Action, page 2). The Applicants respectfully disagree.

With reference to Figure 3, as described in the specification at page 9, lines 20-21, Figure 3 shows a broadcast transmitter 103. As is also described, "The broadcast transmitter 103, at any given time, has two data arrays that it manages. One is the output FM sub carrier frame image 501 (see in FIGURE 5 and is described below)....The other data array is the satellite input buffer." (Specification, page 9, lines 27-30). Additionally, the "wireless" feature is shown in Figure 1. As is seen in Figure 1, the broadcast transmitter interfaces with a satellite and a watch 101 through wireless signals. Therefore, both a wireless local and satellite input interface are described. Since both wireless interfaces are shown, the Applicants respectfully request the rejection be withdrawn.

Claims 12-17, 19, 44-45, 47, 50-51, 55 were rejected under 35 U.S.C. 103(a) as being unpatentable by Lorang et al (US 5,548,814) in view of Chadwick (US 5,168,271). Claim 18 was rejected under 35 U.S.C. 103(a) as being unpatentable by Lorang in view of Chadwick, and further in view of Cox (US 5,732,333). Claim 46 was rejected under 35 U.S.C. 103(a) as being unpatentable by Lorang in view of Chadwick, and further in view of Campana (US 6,567,397). Claims 48-49, 52-53 were rejected under 35 U.S.C. 103(a) as being unpatentable by Lorang in view of Chadwick, and further view of Weng (US 4,856,003). Claim 54 was rejected under 35 U.S.C. 103(a) as being unpatentable by Lorang in view of Chadwick, and further in view of Misaizu (US 5,487,089). The Applicants have amended the claim to address the rejection and respectfully request the rejection be withdrawn.

As amended, Claim 1 recites in part “A broadcast transmitter, comprising: an input-output controller coupled to a wireless satellite input interface and coupled to a buffer memory; a control processor coupled to said input-output controller and coupled to a wireless local input interface.” In contrast, Lorang teaches a personal information system that includes a LAN and a paging stick.

For example, the Office Action states “an input-output controller (Fig. 3, ref. 72) coupled to a wireless satellite input interface (see col. 9, lines 50-52 regarding satellite receiver) and to a buffer memory 78 (see Fig. 3 and col. 6, lines 40-58), wherein one skilled in the art would recognize that the base station 200 would comprise components similar to the components of the LAN 38 in order to receive data and re-transmit data to the PDUs; a control processor (Fig. 3, ref. 72) coupled to said input-output controller and to a local input interface (see col. 9, lines 56-

58 regarding connections to PSTN/PDN), wherein it would have been obvious to one skilled in the art at the time the invention was made to modify Lorang to utilize a wireless connection for eliminating a need of a cable connection.” (Office Action, page 3).

Lorang, however, teaches two separate components. With reference to Figure 1 of Lorang, a personal information service is shown. The personal information service includes a paging stick 20 that is coupled to a PDU 10. The PDU 10 is coupled to a LAN 38 through a personal computer PC 40 and a wireless LAN adapter 44. See, for example, Lorang col.4 lines 1025 for a description of these connections in the personal information service shown in Figure 1.

Accordingly, the LAN 38 and the paging stick 20 are two separate components. Details of these two separate components are described in Lorang. For example, the LAN 38 is shown in Figure 3 and a paging stick 200 is shown in Figure 8. Because these are separate components, ***the processor 72 of the LAN 38 is not coupled to the satellite interface 22 of the paging stick 200.***

Similarly, the internal components of the LAN 38 cannot be modified to work within the paging stick 20 as is suggested by the Office Action. For example, the Office Action states that “an input-output controller (Fig. 3, ref. 72) coupled to a wireless satellite input interface” and that “a control processor (Fig. 3, ref. 72) coupled to said input-output controller and to a local input interface.” That is, the Office Action states that reference 72 is both an “input-output controller” and is a “control processor.” This would require reference 72 to couple to itself. This is inconsistent. ***The processor 72 cannot be both an input-output controller and a***

***controller processor.*** Further, the processor 72 cannot be an input-output controller that is coupled to a controller process when the processor 72 is also the controller. This is also inconsistent. A single component cannot be both two components when each of those components has different connections.

Since Lorang does not teach A broadcast transmitter, comprising: an input-output controller coupled to a wireless satellite input interface and coupled to a buffer memory; a control processor coupled to said input-output controller and coupled to a wireless local input interface, Claim 12 is proposed to be allowable. Claims 2-10 are proposed to be allowable as they depend from a valid base claim.

As amended, Claim 44 recites in part “means for receiving formatted data from a wireless satellite data source and a wireless local data source coupled together through an input-output controller that is coupled to a processor.” For at least the reasons presented above, Claim 44 is proposed to be allowable. Claims 45-49 are proposed to be allowable as they depend from a valid base claim.

As amended, Claim 50 recites in part “an input-output controller that is coupled to a wireless satellite input interface and coupled to a buffer memory, wherein the input-output controller is arranged to receive formatted data from a data source through the first input interface and store the formatted data in the buffer memory; a control processor that is coupled to the input-output controller and coupled to a wireless local input interface, wherein the control processor is arranged to receive commands from the data source through the second input interface and adjust performance according to the received commands.” For at least the reasons

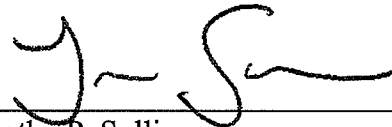
presented above, Claim 50 is proposed to be allowable. Claims 51-55 are proposed to be allowable as they depend from a valid base claim.

Conclusion

In view of the foregoing amendments and remarks, all pending claims are believed to be allowable and the application is in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for the applicants at the telephone number provided below.

Respectfully submitted,

MERCHANT & GOULD P.C.



Timothy P. Sullivan  
Registration No. 47,981  
Direct Dial: 206.342.6254

MERCHANT & GOULD P.C.  
P. O. Box 2903  
Minneapolis, Minnesota 55402-0903  
206.342.6200

